Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/07/2021 09:24 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/05/2021 10:33 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125560	0	1.86	125497	1.86
Blue	F	SSC	125000	125127	0	3.81	125405	3.67
Blue	E	FITC	14400	14008	-3	2.75	321	15.02
Blue	D	PE	24713	24439	-2	2.18	560	10.88
Blue	B	PerCP-Cy5-5	31796	31448	-2	3.62	1040	14.34
Blue	A	PE-Cy7	21240	21074	-1	5.53	565	28.24
Red	C	APC	41319	40900	-2	3.04	1714	10.98
Red	A	APC-Cy7	21019	20482	-3	3.30	765	11.14
Violet	B	V450	7305	6994	-5	4.37	441	12.63
Violet	A	V500	28652	27305	-5	3.86	688	10.18

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23254	1.47	566	-3	N/A	N/A	Pass
Blue	F	SSC	58364	1.24	518	6	N/A	N/A	Pass
Blue	E	FITC	58	50.63	491	0	0.0425	0	Pass
Blue	D	PE	117	35.73	489	2	0.3654	229	Pass
Blue	B	PerCP-Cy5-5	194	34.63	585	1	0.0208	50	Pass
Blue	A	PE-Cy7	114	65.89	631	1	0.0236	3	Pass
Red	C	APC	399	23.15	573	0	0.0312	226	Pass
Red	A	APC-Cy7	172	25.74	542	-3	0.0070	812	Pass
Violet	B	V450	62	58.79	451	-5	0.0517	1683	Pass
Violet	A	V500	98	33.84	464	-6	0.0244	676	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.88	-31.78	1.07
Blue	20.36	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.42
Red	21.38	15.99 - 23.99	N/A	N/A	30.26	30.42	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 16017

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments